# Dell Wyse ThinOS thin clients

**Secure by design:** Virus and malware immune firmware base with an un-published API and zero attack surface*

Dell Wyse ThinOS thin clients.
Learn more. Here:

* See appendix for notes and guidance.

# Introducing Dell Wyse ThinOS thin clients

## Secure simplicity on your desktop

A key component of Dell desktop virtualization product offerings and one of the most secure operating systems in the world for cloud and virtual computing environments, ThinOS is certified with Citrix, Microsoft®, VMware, Dell vWorkspace, and other ecosystem partners. Unlike Windows® and Linux, ThinOS was created just for virtual desktops with patented technology from Dell Wyse, the thin client leader with over 220 patents in this area. ThinOS is:

- **Secure by design:** Virus and malware immune* with an un-published API and zero attack surface
- **Secure by function:** Supports a robust 802.1x wired and wireless authentication spectrum of security protocols: from all EAP connection types to robust LAN based authentication including EAP-TLS
- **Fast:** Boots in under 10 seconds to secure desktops based on a variety of authentication methods, including single sign-on and 2-factor authentication.
- **Easy to manage:** Covers the everyday basics so you don't have to. IT can get out of the desktop hardware maintenance business
- **One of the best HDX and RDP experiences in a non-Windows client:** RDP 8.0 support and a custom Citrix 3.x receiver from Dell Wyse developed in collaboration with Citrix enable a rich user experience based on the latest HDX feature set, and outstanding ICA and RDP performance.

* See appendix for notes and guidance.

## Dell Wyse ThinOS thin clients

ThinOS is available across a wide range of hardware form factors to suit your budget, application performance, and environmental needs–from highly affordable to high performance. **Click the images to learn more.**

Dell Wyse C10LE
Highly capable and affordable

Dell Wyse T10
Big performance, small box

Dell Wyse R10L
Versatile performance

Dell Wyse D10D
Dual-core power, compact design

## Additional software

Dell Wyse software options can further enhance the user experience or simplify IT management on ThinOS.

Learn more here.

Quick compare

ThinOS Specifications

# Quick compare Dell Wyse ThinOS hardware platforms

## All Dell Wyse ThinOS thin clients are:

- Ultra-secure and extremely reliable with no moving parts
- Great to use and easy to manage, requiring no hardware maintenance whatsoever
- Ready to connect to Citrix, Microsoft®, VMware, and Dell vWorkspace right out of the box
- Ready to support wireless and dual displays

Dell Wyse C10LE

Dell Wyse T10

Dell Wyse R10L

Dell Wyse D10D

### Highly capable

For task & office workers' everyday use, yet highly cost effective

### The new standard for affordable thin clients

Great for common tasks plus multimedia acceleration and monitor rotation for an improved user experience with video

### Versatile performance

For knowledge and high-end task workers who need legacy peripherals and HD multimedia

### Dual-core power, compact design

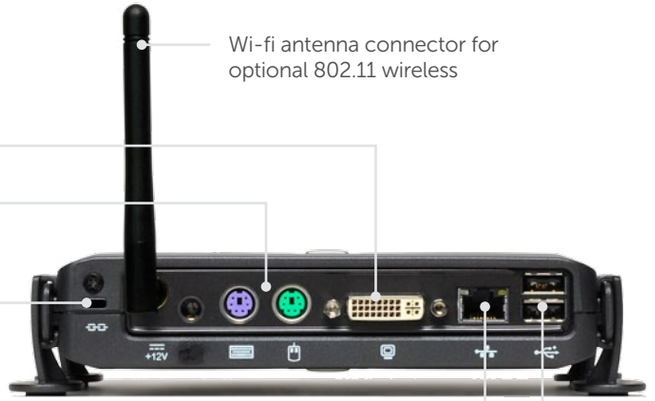
Our flagship ThinOS platform for power users and knowledge workers: ideal for unified communications, HD multimedia, 3D graphics, and content creation, dual digital displays

# Dell Wyse C10LE thin client Features

## Task-specific affordable performance

The C10LE is a highly capable and affordable thin client for task workers who consume and edit content and who need word processing and internet access. The VIA Eden 1GHz processor offers excellent performance at a cost-effective price.

The C10LE's small size enables discrete mounting options: under desks, to walls, and behind monitors. Operating with fewer than 7 watts of electricity, the C10LE's energy efficient performance and cool, quiet operation can reduce costs and environmental impacts.


Wi-fi antenna connector for optional 802.11 wireless
DVI-I video output
Two PS/2 ports for keyboard and mouse
Kensington lock slot (Lock and cable sold separately)
Gigabit ethernet port
Four available external USB 2.0 ports (2 front; 2 back)

Audio in: 1/8-inch mini jack, 8 bit stereo microphone  Audio out: 1/8-inch mini jack, 16 bit stereo

Product page

Specifications

# Dell Wyse T10 thin client Features

## For task workers who need video

The T10 handles everyday tasks with ease and also provides multimedia acceleration for task workers who need video. Users will enjoy integrated graphics processing and additional WMV & H264 video decoding capabilities from the Marvell ARMADA™ PXA 510 v7 1.0 GHz System-on-Chip (SoC). In addition, the T10 is one of the only affordable thin clients to support dual monitors with monitor rotation, enabling increased productivity by providing an extensive view of task work.

Designing smooth playback of high bit-rate HD video and graphics in such a small box hasn't been at the expense of energy consumption and heat emissions either. Using just 7 watts of electricity earns this device an Energy Star V5.0 rating. In addition, the T10's small size enables discrete mounting options: under desks, to walls, and behind monitors, creating cool workspaces in every respect.

Product page

Specifications

# Dell Wyse R10L thin client Features

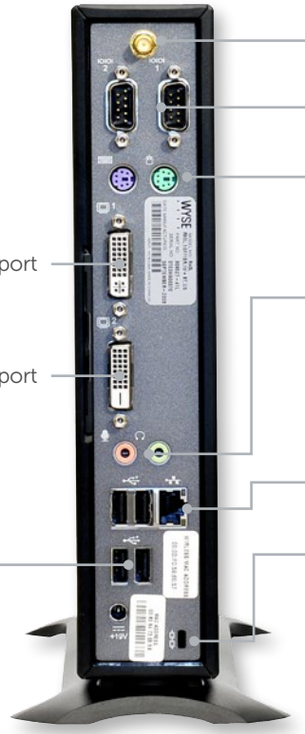
## Versatility and Performance

Offering versatility and excellent performance in a field-proven form factor, the R10L is perfect for high-end task and knowledge work. The 1.5 GHz AMD Sempron central processor makes business content creation and consumption a breeze.

With class-leading connectivity to legacy PS2, parallel, and serial devices as well as current USB and DVI-D, users can enjoy all their familiar peripherals. In addition, the R10L supports HD video and is Microsoft® RemoteFX and Citrix HDX certified.

At just under 15 watts, the R10L is one cool, quiet operator.

Six available external USB 2.0 ports (2 front; 4 back)



One DVI-I port

One DVI-D port

Wi-Fi antenna connector for optional 802.11 wireless

Two serial ports

Two PS/2 ports for keyboard and mouse

Audio In: 1/8-inch mini jack, 8 bit stereo microphone & Audio Out: 1/8-inch mini jack, 16 bit stereo

Gigabit ethernet port

Kensington lock slot (Lock and cable sold separately)

Product page

Specifications

# Dell Wyse D10D thin client Features

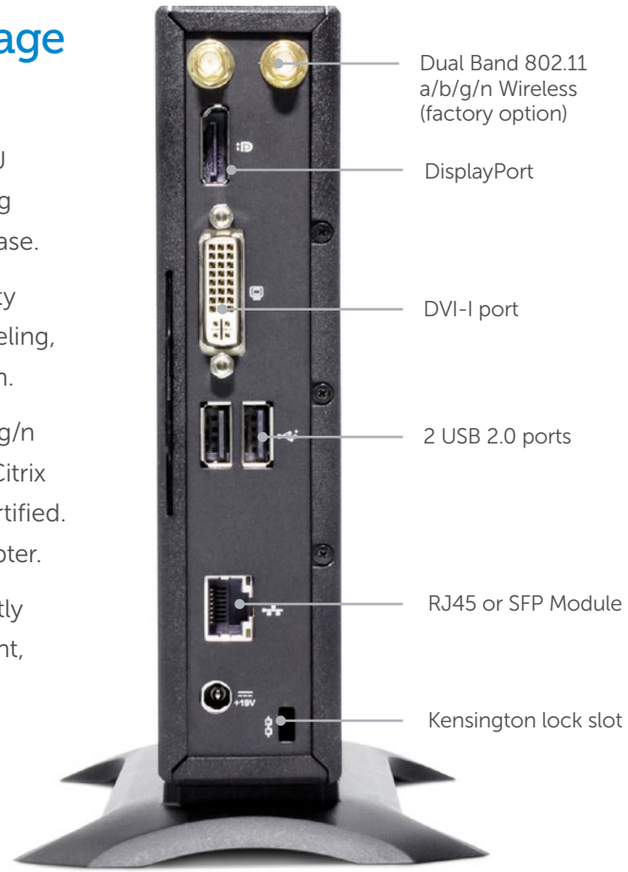
## Ultra-high performance in a compact package

Power users and knowledge workers will love the exceptionally fast speed and power from the new dual-core driven D10D. With a 1.4 GHz AMD G series APU with integrated graphics engine, the D10D handles everything from demanding multimedia applications to business content creation and consumption with ease.

The D10D even supports power users' most demanding workloads: high quality audio and video, unified communications, CAD/CAM, 3D simulation and modeling, HD Flash and multimedia, and dual digital high resolution displays with rotation.

Users will enjoy smooth roaming and super fast 802.11 a/b/g/n wireless at 2.4 and 5 GHz with dual antennas. The D10D is Citrix HDX, Microsoft® RemoteFX, and VMware® Horizon View certified. It also supports legacy peripherals via an optional USB adapter.

Averaging 9 watts, each and every D10D contributes – quietly and coolly – to lowering your organization's carbon footprint, with reduced power usage and emissions.



**Rear view with Wireless option**

**Rear view with Fiber NIC option**

Product page

Specifications

# Dell Wyse Virtualization Software

## A great user experience for both everyday and demanding workloads

Dell Wyse ThinOS thin clients offer an outstanding user experience out of the box. For users with demanding multimedia, performance, and remote access needs, Dell Wyse offers the following virtualization software packages.

### Dell Wyse TCX Suite

Boost multimedia performance on Dell Wyse cloud clients without taxing your server resources.

Learn more here.

### Dell Wyse Virtual Desktop Accelerator

Improve the experience for remote users with enhanced WAN performance.

Learn more here.

ThinOS Specifications

# Dell Wyse Device Management

## Hands-off management

Dell Wyse ThinOS requires zero external management software to operate, update and scale, eliminating the need for IT to visit or touch the physical devices.

## Management Software

As the number of devices grows, Dell Wyse offers highly scalable management software products that offer process automation, insight, and low TCO for large deployments of Dell Wyse cloud clients.

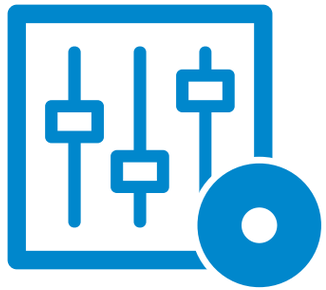
## Dell Wyse Device Manager

A powerful thin and zero client management solution, Dell Wyse Device Manager (WDM) software provides easy, secure, highly scalable, centralized cloud client management for your small organization or global enterprise. WDM provides:

- Centralized management for over 100,000 clients all in one place, regardless of where they are located
- Policy-based configuration management, real-time asset management, automated firmware updates, and health monitoring make managing cloud clients easy
- Security - WDM complements the security of ThinOS with secure, encrypted communications to every endpoint

Learn more here.

## Dell Wyse Cloud Client Manager



Simple, secure client infrastructure management from the cloud. Securely manage user access to corporate applications and content for a wide range of company and employee-owned devices through an intelligent, unified cloud-based console. Finally, IT can manage smartphones, tablets, and cloud clients all in one place.

In addition, cloud client manager goes beyond standard device management solutions by providing a complete view of not only devices, but also into all the IT assets accessed by these devices. Complete visibility of users, devices, and the entire IT ecosystem – combined with a world-class analytics engine – provides invaluable insight into usage models and trends, and helps to identify areas of investment to securely and effectively provide corporate services to end users.

Learn more here.

ThinOS Specifications

# Dell Wyse ThinOS Specifications

| | |
|---|---|
| **Citrix Receiver 3.x compatible** | - HDX multi-stream<br>- HDX 3D, HDX 3D Pro<br>- HDX Plug-n-Play<br>- UDP Audio<br>- Session reliability<br>- Local text echo (zero latency click)<br>- Optimized 2D drawing<br>- Flash (server rendered)<br>- HDX Mediastream<br>- HDX Realtime<br>- Bandwidth estimation<br>- Seamless Windows<br>- Progressive display<br>- Session prelaunch and lingering<br>- User roaming<br>- Desktop restart (XenDesktop)<br>- Smartcard / proximity card authentication & redirection<br>- Cloud Gateway (branch repeater)<br>- Citrix Access Gateway and Citrix Secure Gateway support (direct LDAP or RSA authentication)<br>- Monitor rotation and L-shaped desktop |
| **RDP 8.0 compatible client** | - Multi-stream (simultaneous UDP and TCP connections)<br>- RemoteFX USB redirection<br>- Multi Codec (GFX)<br>- VOR (H.264 multimedia redirection)<br>- Load balancing<br>- Multiple monitor support<br>- Terminal Server Gateway<br>- Enhanced video playback<br>- Windows® Media Player redirection<br>- Bandwidth estimation<br>- Bidirectional audio<br>- Copy/paste by files between sessions<br>- Web Single Sign-On (SSO) and web forms-based authentication<br>- RD Connection Broker<br>- Personal virtual desktops and virtual desktop pools |
| **VMware View 5.2 client** | - Smartcard Authentication<br>- SecureID Authentication<br>- Multimedia Support (with TCX)<br>- Bi-directional Audio (with TCX)<br>- WAN Acceleration (with VDA)<br>- SSL Tunneling<br>- Restart VM<br>- Broad USB Support (with TCX)<br>- Flash Video Support (with TCX) |
| **Smart/proximity card support** | Out of the box smart / proximity card support for single sign-on, secure log-in, and roaming desktops. Supported smart cards:<br>- Gemalto .NET/IDPrime .NET (V1, V2)<br>- HID Activeldentity (DoD CAC, PIV, SIPR)<br>- G&D StarCos<br>- Aladdin Etoken<br>- Cryptovision<br>Authentication types:<br>- Imprivata One-Sign server<br>- RFIDeas proximity card readers |

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| **Dell Wyse TCX Suite** | Dell Wyse TCX Suite virtualization software works with and enhances HDX and RDP protocols featuring:<br>- Terminal Server/XenApp session level restriction<br>- Multimedia: giving users the power to run rich multimedia file formats<br>- Multi-Display: windows and dialog boxes behave the way users expect across multiple displays<br>- USB Virtualizer: client attached USB devices are visible to virtual desktops applications, and administrators, even on terminal servers<br>- Rich Sound – receive and transmit high quality audio without compromise<br>- Flash Acceleration: helps users to experience improved Flash performance |
| **Dell Wyse Virtual Desktop Accelerator** | Neutralizes the effects of network latency and packet loss, making 'thin' more suitable for more remote-site, branch, or field-based users by boosting RDP and ICA performance up to 20 times on networks with latencies up to and exceeding 300ms and at least 768kbps bandwidth. |
| **Integrated with Dell Wyse management software** | Fast booting, scalable administration includes simple drag and drop placement of firmware, automatic updates via file server and full integration with Dell Wyse Device Manager and Dell Wyse Cloud Client Manager. This provides simple, secure, unified cloud-based management of company and employee owned smartphones, tablets, and cloud clients. |
| **Security built in** | - A non-Linux and non-Windows based, closed OS with an unpublished API, Dell Wyse ThinOS is inherently secure from viruses and malware<br>- Dell Wyse ThinOS includes robust wired and wireless 802.1x support, with secure encryption: EAP-TLS; EAP-LEAP; EAP-PEAP, EAP-MSCHAPv2, EAP-GTC; WEP; WPA Personal; WPA2 Personal; WPA Enterprise; WPA2 Enterprise<br>- DoD CAC, PIV & SIPR supported<br>- Although there is no local file system, certifications and configuration data can be stored for high availability. Leveraging AES 128 bit disk encryption, with a random number generator, local settings will be secure |
| **Server OS Infrastructure support** | - Citrix XenDesktop 4.0 – 5.6<br>- VMware View 4.0 – 5.2<br>- Citrix XenApp 4.5 – 6.5 and Citrix Presentation Server<br>- Microsoft® Windows Terminal Server 2003, 2008/R2, & 2012<br>- Support for other leading VDI brokers (Desktone, Leostream, etc)<br>- Citrix Presentation Server<br>- Dell vWorkspace (Quest Software) |

# Dell Wyse C10LE Specifications

| | |
|---|---|
| **Processor** | VIA Eden 1 GHz |
| **Memory** | 128 MB Flash / 512 MB RAM DDR2 |
| **Graphics** | VIA VX855 |
| **Display** | VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate.<br>Single: up to 1920x1200@60Hz; color depth: 8, 15, 16, 24 or 32 bpp<br>Dual: up to 1920x1200@60Hz; color depth: 8, 15, 16, 24 or 32 bpp<br>Supports dual high-resolution displays.<br>Dual displays require optional monitor splitter cable (sold separately).<br>Dual displays with the optional splitter cable provide 1 digital display and 1 analog display. |
| **Networking/Comm** | 10/100/1000 Base-T Gigabit Ethernet.<br>Optional internal wireless 802.11 b/g/n (single antenna) or<br>Optional 802.11 a/b/g/n internal wireless (dual-band, dual antenna; this configuration provides 2 front USB ports and no rear USB ports). |
| **Security compliance** | Security protocols supported for both wireless and 802.1x network based authentication: EAP-TLS; EAP-LEAP; EAP-PEAP, EAP-MSCHAPv2, EAP-GTC; WEP; WPA Personal; WPA2 Personal; WPA Enterprise; WPA2 Enterprise. |
| **I/O peripheral support** | One DVI-I port, DVI to VGA (DB-15) adapter included.<br>Dual-video support with optional DVI-I to DVI-D plus VGA-monitor splitter cable (sold separately).<br>Four USB 2.0 ports (2 on front, 2 on back) / Two PS/2 ports. |
| **Audio** | Output: 1/8-inch mini jack, full 16-bit stereo, 48KHz sample rate.<br>Input: 1/8-inch mini jack, 8-bit microphone. |
| **Included** | Enhanced PS/2 keyboard with Windows keys (104 keys).<br>PS/2 optical mouse. |
| **Factory options** | Internal wireless 802.11 b/g/n (single antenna) or 802.11 a/b/g/n internal wireless (dual-band, dual antenna; this configuration provides 2 front USB ports and no rear USB ports). |

| | |
|---|---|
| **Mountings** | Horizontal stand.<br>Optional VESA mounting bracket. |
| **Device security** | Built-in Kensington security slot (cable sold separately). |
| **Dimensions** | Height: 1.38 in (34 mm)<br>Width: 6.94 in (177 mm)<br>Depth: 4.75 in (121 mm)<br>Weight: 1.34 lbs (610 g) |
| **Shipping weight** | 6 lbs (2.7 kg)* |
| **Power** | Worldwide auto-sensing 100-240 VAC, 50/60 Hz.<br>Energy Star V.5.0 compliant power supply. |
| **Power consumption** | Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: under 7 watts. |
| **Temperature range** | Horizontal position: 50° to 95° F (10° to 35° C)<br>Vertical position, power button up: 50° to 104° F (10° to 40° C)<br>Storage: 14° to 140° F (-10° to 60° C) |
| **Humidity** | 20% to 80% condensing.<br>10% to 95% non-condensing. |
| **Certifications** | Ergonomics: German EKI-ITB 2000, ISO 9241-3/-8<br>Safety: cULus 60950, TÜV-GS, EN 60950<br>RF Interference: FCC Class B, CE, VCCI, C-Tick<br>Environmental: WEEE, RoHS Compliant<br>Energy Star® compliant, EPEAT Silver. |
| **Warranty** | Three-year limited hardware warranty.<br>Optional WyseChoice extensions and upgrades at www.wyse.com/warranties. |

* See appendix for notes and guidance.

C10LE Features

# Dell Wyse T10 Specifications

| | |
|---|---|
| **Processor** | Marvell® ARMADA™ PXA 510 v7 1.0 GHz system-on-chip (SoC) |
| **Memory** | 0 MB Flash / 1 GB RAM DDR3 |
| **Graphics** | Integrated in SOC |
| **Display** | VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate.<br>Single: up to 1920x1200@60Hz; color depth: 32 bpp<br>Dual: up to 1920x1200@60Hz; color depth: 32 bpp<br>Supports dual high-resolution displays.<br>Dual displays also support monitor rotation ("L shaped" displays).<br>Dual displays require optional monitor splitter cable (sold separately).<br>Dual displays with the optional splitter cable provide 1 digital display and 1 analog display. |
| **Networking/Comm** | 10/100/1000 Base-T Gigabit Ethernet.<br>Optional 802.11 b/g/n internal wireless (single antenna). |
| **Security compliance** | Security protocols supported for both wireless and 802.1x network based authentication: EAP-TLS; EAP-LEAP; EAP-PEAP, EAP-MSCHAPv2, EAP-GTC; WEP; WPA Personal; WPA2 Personal; WPA Enterprise; WPA2 Enterprise. |
| **I/O peripheral support** | One DVI-I port, DVI to VGA (DB-15) adapter included.<br>Dual display support with optional DVI-I to DVI-D plus VGA-monitor splitter cable (sold separately).<br>Four USB 2.0. |
| **Audio** | Output: 1/8-inch mini jack, full 16-bit stereo, 48KHz sample rate.<br>Input: 1/8-inch mini jack, 8-bit microphone. |
| **Included** | Enhanced USB keyboard with PS/2 mouse port and Windows keys.<br>PS/2 mouse. |
| **Factory options** | 802.11 b/g/n internal wireless (single antenna). |

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| **Mountings** | Horizontal stand. The same stand can be used for VESA wall mounting.<br>Optional vertical stand. |
| **Device security** | Built-in Kensington security slot (cable sold separately). |
| **Dimensions** | Height: 1 in (25 mm)<br>Width: 6.9 in (177 mm)<br>Depth: 4.69 in (119 mm)<br>Weight: 1 lb (450 g) |
| **Shipping weight** | 1.003 lbs. (0.455 kg)* |
| **Power** | Worldwide auto-sensing 100-240 VAC, 50/60 Hz.<br>Energy Star V5.0.<br>Phase V external and EuP compliant power adapter. |
| **Power consumption** | Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: under 7.2 watts. |
| **Temperature range** | Horizontal position: 50° to 95° F (10° to 35° C)<br>Vertical position, power button up: 50° to 104° F (10° to 40° C)<br>Storage: 14° to 140° F (-10° to 60° C) |
| **Humidity** | 20% to 80% condensing.<br>10% to 95% non-condensing. |
| **Certifications** | Ergonomics: German EKI-ITB 2000, ISO 9241-3/-8<br>Safety: cULus 60950, TÜV-GS, EN 60950<br>RF Interference: FCC Class B, CE, VCCI, C-Tick<br>Environmental: WEEE, RoHS Compliant. |
| **Warranty** | Three-year limited hardware warranty.<br>Optional WyseChoice extensions and upgrades at www.wyse.com/warranties. |

* See appendix for notes and guidance.

T10 Features

# Dell Wyse R10L Specifications

| | |
|---|---|
| **Processor** | 1.5 GHz AMD Sempron processor |
| **Memory** | 128 MB Flash / 512 MB RAM |
| **Graphics** | AMD ATI 690E |
| **Display** | VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate.<br>Single: up to 2560x1600@60Hz; color depth: 32 bpp<br>Dual: up to 1920x1200@60Hz; color depth: 32 bpp<br>Supports dual digital high-resolution displays.<br>Dual displays also support monitor rotation ("L shaped" displays). |
| **Networking/Comm** | 10/100/1000 Base-T Gigabit Ethernet.<br>Optional 802.11 b/g/n internal wireless (single antenna). |
| **Security compliance** | Security protocols supported for both wireless and 802.1x network based authentication: EAP-TLS; EAP-LEAP; EAP-PEAP, EAP-MSCHAPv2, EAP-GTC WEP; WPA Personal; WPA2 Personal; WPA Enterprise; WPA2 Enterprise. |
| **I/O peripheral support** | One DVI-I port , DVI to VGA (DB-15) adapter included.<br>One DVI-D port.<br>Two PS/2 ports.<br>Two serial ports.<br>Six external USB 2.0 ports (2 front, 4 back). |
| **Audio** | Out: 1/8-inch mini, 16 bit stereo, 48KHz sample rate.<br>Internal Mono speaker.<br>In: 1/8-inch mini, 8 bit stereo microphone. |
| **Included** | Enhanced PS/2 keyboard with Windows keys (104 keys).<br>PS/2 optical mouse. |

| | |
|---|---|
| **Factory options** | Internal wireless 802.11 b/g/n (single antenna). |
| **Mountings** | Vertical stand.<br>Optional horizontal stand.<br>Optional VESA mounting bracket. |
| **Device security** | Built-in Kensington security slot (cable sold separately). |
| **Dimensions** | Height: 9.8 in (250 mm)<br>Width: 8.8 in (225 mm)<br>Depth: 2.1 in (53 mm) |
| **Shipping weight** | 9.60 lbs (4.35 kg) |
| **Power** | Worldwide auto-sensing 100-240 VAC, 50/60 Hz.<br>Energy Star® V.5.0 compliant power supply. |
| **Power consumption** | Average power usage with device connected to 1 keyboard with 1 PS/2 mouse and 1 monitor: 14.6 watts. |
| **Temperature range** | Horizontal position: 50° to 95° F (10° to 35° C)<br>Vertical position, power button up: 50° to 104° F (10° to 40° C)<br>Storage: 14° to 140° F (-10° to 60° C) |
| **Humidity** | 20% to 80% condensing.<br>10% to 95% non-condensing. |
| **Certifications** | Ergonomics: German EKI-ITB 2000, ISO 9241-3/-8<br>Safety: cULus 60950, TÜV-GS, EN 60950<br>RF Interference: FCC Class B, CE, VCCI, C-Tick<br>Environmental: WEEE, RoHS Compliant. |
| **Warranty** | Three-year limited hardware warranty.<br>Optional WyseChoice extensions and upgrades at www.wyse.com/warranties. |

* See appendix for notes and guidance.

R10L Features

# Dell Wyse D10D Specifications

| | |
|---|---|
| **Processor** | AMD G-Series T48E Dual Core 1.4GHz |
| **Memory** | 2GB Flash / 2GB RAM DDR3-1066MHz |
| **Graphics** | Radeon HD 6250 |
| **Display** | VESA monitor support with Display Data Control (DDC) for automatic setting of resolution and refresh rate<br>DisplayPort: 2560x1600@32bpp<br>DVI-I: 1920x1200@32bpp<br>Dual display: 1920x1200@32bpp<br>Supports dual digital high-resolution displays<br>Dual displays also support monitor rotation ("L shaped" displays) |
| **Networking/Comm** | 10/100/1000 Base-T Gigabit Ethernet<br>Optional single and dual band 802.11 a/b/g/n integrated wireless with external dual antenna<br>Optional SFP Module support for Fiber NIC network connectivity |
| **Security compliance** | Security protocols supported for both wireless, and 802.1x network based authentication: EAP-TLS; EAP-LEAP; EAP-PEAP, EAP-MSCHAPv2, EAP-GTC; WEP; WPA Personal; WPA2 Personal; WPA Enterprise; WPA2 Enterprise |
| **I/O peripheral support** | One DisplayPort. (Optional DisplayPort to DVI-I adapter available)<br>One DVI-I port. DVI to VGA (DB-15) adapter included<br>Four external USB 2.0 ports (2 front, 2 back)<br>Serial and parallel connectivity supported through USB 2.0 adapters |
| **Audio** | Composite audio jack: 1/8-inch mini, 16-bit stereo<br>Internal mono speaker |
| **Included** | Enhanced USB keyboard with Windows keys (104 keys) and PS/2 mouse port<br>PS/2 optical mouse included |
| **Factory options** | Single and dual band 802.11 a/b/g/n integrated wireless with external dual antennas<br>SFP Module support for Fiber NIC network connectivity |

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| **Mountings** | Vertical foot, included<br>Optional VESA mounting bracket<br>Optional Ergotron mounting bracket |
| **Device security** | Built-in Kensington security slot (cable sold separately) |
| **Dimensions** | Height: 6.7 inches (170mm)<br>Width: 1.6 inches (40mm)<br>Depth: 7.3 inches (185mm)<br>Weight: 2.05 lbs. / 0.93 kg |
| **Power** | Worldwide auto-sensing 100-240 VAC, 50/60 Hz 65W, 19V DC.<br>Energy Star® V.5.2 Phase V external and EuP compliant power adapter |
| **Power consumption** | 9 watts (average) |
| **Temperature range** | Operating, vertical position: 50° to 104° F (10° to 40° C)<br>Storage: 14° to 140° F (-10° to 60° C) |
| **Humidity** | 20% to 80% condensing<br>10% to 95% non-condensing |
| **Safety Certifications** | Ergonomics: German EKI-ITB 2000, ISO 9241-3/-8<br>Safety: cULus 60950, TÜV-GS, EN 60950<br>RF Interference: FCC Class B, CE, VCCI, C-Tick<br>Environmental: WEEE, RoHS Compliant. |
| **Warranty** | Three-year limited hardware warranty.<br>Optional WyseChoice extensions and upgrades at www.wyse.com/warranties. |

* See appendix for notes and guidance.

D10D Features

# Appendix

## Dell Wyse ThinOS is virus and malware immune

It is technically impossible for a virus to attach to Dell Wyse ThinOS or the Dell Wyse thin client on which it resides. It consists of a networking and protocol stack and is not a general-purpose operating system. Therefore, it has zero exposed API's and no local file system or other potentially vulnerable exposures to exploit.

## Product weights

Product weights stated may vary depending on configuration and manufacturing variability.

## Key facts about ThinOS

- **Secure:** virus and malware immune
- **High performance:** light weight firmware base about the size of a digital photograph has minimal overhead
- **Instant-on:** from power-on to productive in **under 10 seconds**
- **Easy to manage:** automatic 'hands-off' management, on-premise with Dell Wyse Device Manager, or cloud-based with Dell Wyse Cloud Client Manager
- **Scales to over 100,000** managed devices with Dell Wyse WDM software

# Contact Dell Cloud Client Computing

For sales, service and support expertise around the globe


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San Jose, CA 95134-1801

**Visit our website at:**
http://www.dellwyse.com or
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1-800-438-9973


**International customers please find your local contact at:**
http://dellwyse.com/global

**Dell Cloud Client Computing Support Portal**
Dell Wyse Support Portal provides a fast and accurate way to communicate interactively with Dell Wyse Customer Support, and helps us respond to your requests more quickly.

**http://support.wyse.com/selfservice.html**

**Dell Cloud Client Computing**
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With **Dell Cloud Client Computing** you're covered from the data center to the end user device. For additional Dell products and solutions that complement your Dell Wyse ThinOS thin clients, visit:

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About Dell

Dell Inc. (NASDAQ: DELL) listens to customers and delivers innovative technology and services that give them the power to do more. For more information, visit www.dell.com


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